

- (f) means for calibration process that determines said reference datum and measurement correction factors necessary to compensate for measurement errors caused by optical distortion, misalignment, or positional variance of said individual image recording devices;
- (g) means for processing and correcting said absolute linear and angular motion measurements using said calibration correction factors relative to said reference datum;

whereby providing corrected, absolute linear and angular motion measurement information to aid in instruction and improvement of said putting stroke.

22. The analysis tool as defined in claim 21 further comprising a means for automatically starting a detection and analysis process as part of processing said video image data from an individual said video image recording device based on a predetermined amount of change within a user defined image region of same said video image data from the same individual said video image recording device as a function of time.

23 The analysis tool as defined in claim 21 further comprising a calibration fixture assembly to perform said calibration process, comprising:

- (a) a physical golf ball guide with alignment feature;
- (b) a visual calibration target.

whereby a recorded video image of aligned said visual calibration target is processed to perform said calibration process.

24 The calibration fixture assembly as defined in claim 23 wherein said physical golf ball guide is a groove of sufficient dimensions to physically guide a rolling golf ball to determine the initial direction vector said golf ball must travel along to successfully reach a specified target zone.

25. The calibration fixture assembly as defined in claim 23 wherein said visual calibration target contains on its surface a uniform pattern of distinct features that can be manually aligned to the said physical golf ball guide alignment feature to facilitate the process of calibrating and aligning said analysis tool.

26. The set of computer algorithms as defined in claim 21 further comprising a detection process using digital image processing techniques to find a center location and edge